Title (en)

Grease composition for constant velocity joint

Title (de)

Schmierfettzusammensetzung für Gleichlaufgelenk

Title (fr)

Composition de graisse pour joint homocinétique

Publication

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Application

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Priority

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Abstract (en)

The present invention relates to a grease composition for a constant velocity joint, which has a low coefficient of friction to decrease the vibrations of CVJ, which comprises a base oil, a urea thickening agent, (A) a molybdenum dialkyldithiocarbamate, (B) at least one molybdenum di(alkyl or aryl)dithiophosphate represented by formula (I): <CHEM> wherein R<1> represents a primary or secondary alkyl group or an aryl group, and (C) at least one sulfur-containing additive selected from the group consisting of an ashless dithiocarbamate, a polysulfide, zinc dithiocarbamate, sulfurized fat and oil, an olefin sulfide, a sulfur-phosphorus extreme pressure additive, and a thiadiazole extreme pressure additive, wherein each of the components (A), (B) and (C) is in an amount of 10% by weight or less based on the total weight of the grease composition.
Grease composition comprises a limited amount specific sulfur-containing additive in combination with a urea thickening agent and a base oil. A grease composition comprises (wt.%): a molybdenum dialkylthiocarbamate (= 10), at least one molybdenum dialkyldithiophosphate or molybdenum diaryldithiophosphate (= 10) of formula (I), at least one sulfur-containing additive (= 10), a urea thickening agent and a base oil. (I) is an ashless dithiocarbamate, a polysulfide, zinc dithiocarbamate, sulfurized fat and oil, an olefin sulfide, a sulfur-phosphorus extreme pressure additive or a thiodiazole extreme pressure additive. [Image] R 1>primary or secondary alkyl or aryl. An independent claim is also included for decreasing a coefficient of friction by adding the composition to a constant velocity joint.

IPC 1-7

C10M 169/06

IPC 8 full level

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Citation (examination)

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